

CONTINUOUS FLEX CABLES

S 200 Continuous flex halogen free polyurethane control cable with extreme temperature range



Marking for S 200 07740116:
SAB BRÖCKSKES · D-VIERSEN · S 200 1 x 10,0 mm² CE



Marking for S 200 07741215:
SAB BRÖCKSKES · D-VIERSEN · S 200 12 x 1,5 mm² CE

B
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S 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications even in the most extreme conditions. The halogen free polyurethane jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE 510
Color code from 2 conductors:	black conductors with consecutive numbers acc. to EN 50334;
conductors:	green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- **labs uncritical**
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **high abrasion resistance**
- **min. bending radius**
- **small outer diameter**

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static:	-50/+90 °C
flexing:	-40/+90 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm²				
07740205	2	0.193	4.9	18
07740305	3	0.201	5.1	23
07740405	4	0.217	5.5	28
07740505	5	0.236	6.0	34
07740705	7	0.272	6.9	45
07741205	12	0.327	8.3	66
07741805	18	0.390	9.9	97
07742505	25	0.469	11.9	132
07743605	36	0.539	13.7	188
07745005	50	0.634	16.1	255
07746505	65	0.717	18.2	331
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
07740207	2	0.213	5.4	24
07740307	3	0.224	5.7	30
07740407	4	0.240	6.1	36
07740507	5	0.264	6.7	44
07740707	7	0.303	7.7	60

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
07741207	12	0.378	9.6	92
07741807	18	0.445	11.3	135
07742507	25	0.547	13.9	186
07743607	36	0.606	15.4	257
07745007	50	0.724	18.4	353
07746507	65	0.819	20.8	459
▶ 18 AWG (≈ 56/34) • 1.00 mm²				
07740210	2	0.228	5.8	29
07740310	3	0.240	6.1	37
07740410	4	0.260	6.6	45
07740510	5	0.283	7.2	56
07740710	7	0.331	8.4	77
07741210	12	0.409	10.4	116
07741810	18	0.484	12.3	172
07742510	25	0.594	15.1	237
07743610	36	0.669	17.0	334
07745010	50	0.795	20.2	458
07746510	65	0.902	22.9	595

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 84/34) • 1.50 mm²				
07740115	1	0.157	4.0	17
07740215	2	0.252	6.4	37
07740315	3	0.264	6.7	49
07740415	4	0.287	7.3	61
07740515	5	0.315	8.0	75
07740715	7	0.378	9.6	106
07741215	12	0.469	11.9	163
07741815	18	0.559	14.2	245
07742515	25	0.673	17.1	331
07743615	36	0.756	19.2	467
07745015	50	0.906	23.0	642
07746515	65	1.024	26.0	834

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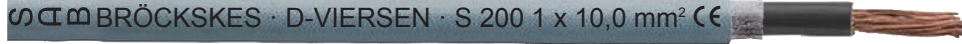


Web site: www.sabcable.com

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Marking for S 200 07740116:
SAB BRÖCKSKES · D-VIERSEN · S 200 1 x 10,0 mm² CE



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Marking for S 200 07741215:
SAB BRÖCKSKES · D-VIERSEN · S 200 12 x 1,5 mm² CE

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Wrapping:	non-woven tape
Jacket material:	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

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(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
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- **min. bending radius**
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Temperature range static:	-50/+90 °C
flexing:	-40/+90 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG (≈ 140/34) • 2.50 mm²				
07740125	1	0.181	4.6	25
07740225	2	0.315	8.0	58
07740325	3	0.335	8.5	78
07740425	4	0.370	9.4	99
07740525	5	0.409	10.4	122
07740725	7	0.488	12.4	171
07741225	12	0.622	15.8	272
07741825	18	0.732	18.6	401
07742525	25	0.894	22.7	547
07743625	36	1.004	25.5	770
▶ 12 AWG (≈ 224/34) • 4.00 mm²				
07740140	1	0.213	5.4	36
07740240	2	0.366	9.3	85
07740340	3	0.386	9.8	114
07740440	4	0.425	10.8	141
07740540	5	0.476	12.1	183
07740740	7	0.575	14.6	261
▶ 10 AWG (≈ 186/32) • 6.00 mm²				
07740160	1	0.240	6.1	51
07740260	2	0.425	10.8	123

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 186/32) • 6.00 mm²				
07740360	3	0.461	11.7	165
07740460	4	0.504	12.8	208
07740560	5	0.571	14.5	269
07740760	7	0.681	17.3	377
▶ 8 AWG (≈ 320/32) • 10.00 mm²				
07740161	1	0.280	7.1	79
07740361	3	0.571	14.5	274
07740461	4	0.622	15.8	340
07740561	5	0.677	17.2	421
▶ 6 AWG (≈ 504/32) • 16.00 mm²				
07740162	1	0.827	8.3	119
07740362	3	0.677	17.2	406
07740462	4	0.748	19.0	524
07740562	5	0.835	21.2	657
▶ 4 AWG (≈ 760/32) • 25.00 mm²				
07740163	1	0.390	9.9	181
07740363	3	0.811	20.6	618
07740463	4	0.898	22.8	794
07740563	5	1.000	25.4	998

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
07740164	1	0.453	11.5	243
07740464	4	1.039	26.4	1074
07740564	5	1.157	29.4	1351
▶ 1 AWG (≈ 703/28) • 50.00 mm²				
07740165	1	0.551	14.0	357
07740465	4	1.252	31.8	1518
▶ 2/0 AWG (≈ 988/2) • 70.00 mm²				
07740166	1	0.657	16.7	500
▶ 3/0 AWG (≈ 1340/28) • 95.00 mm²				
07740167	1	0.807	20.5	685
▶ 4/0 AWG (≈ 1680/28) • 120.00 mm²				
07740168	1	0.846	21.5	836
▶ 250 MCM (≈ 2122/28) • 150.00 mm²				
07740169	1	0.969	24.6	1064
▶ 350 MCM (≈ 1472/26) • 185.00 mm²				
07740170	1	1.021	26.7	1290
▶ 450 MCM (≈ 1910/26) • 240.00 mm²				
07740171	1	1.185	30.1	1652

Other dimensions and colors are possible on request.

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